

INSTALLING A SIDE-MOUNT LICENSE ASSEMBLY

Roto-Plate Jr. From Top Down Products

Top Down Products produces some unique custom motorcycle parts, two of which are its Roto-Plate license plate mounting kits. The kits are the Roto-Plate, which includes a matching license frame that has license, running, and brake lights built in, and the Roto-Plate Jr., which mounts a standard 4x6 motorcycle license plate, without any

lights. It has an optional license frame that is fitted with LED lights to illuminate the license plate.

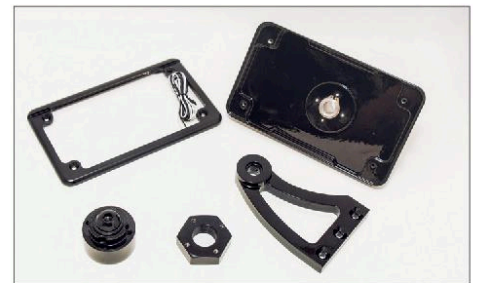
The Roto-Plate side-mount license plate assemblies allow you to rotate the license plate from the horizontal to a vertical mounting position, without using a wrench or removing any bolts. You simply grasp the license plate frame/mount and rotate the mounted plate on its axle bracket. The license plate mounting bracket has a permanently mounted spindle that is held in any one of six positions by a spring-loaded detent system.

We installed the Roto-Plate Jr. and its

optional lighted frame on our 2013 Softail Slim for a total cost of \$275. The Roto-Plate not only cleared our belt guard but also our swingarm bag. Installing the kit took about an hour. The one tool we had to dig for was a 1 3/4-inch socket that was needed to tighten the kit's axle nut. We initially oriented the plate in the horizontal position, but later rotated it to vertical. Either way, the completed installation looked very cool.

—Wendell Christopher

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2 The Roto-Plate's parts are flawlessly machined and powdercoated. Everything bolted up perfectly.



3 The kit's mounting bracket is secured to the Roto-Plate license mount with three stainless steel Allen screws, which have locking patches imbedded into their threads.



4 The Roto-Plate mount will be fitted onto the left side of the rear axle. This requires removing the locking snap ring and axle nut.

1 Our 2013 Softail Slim with the Roto-Plate Jr. installed and the license set in the vertical position.



5 The kit's axle nut and bracket mounting adaptor, not powdercoating the mounting screws threads shows that the guys at Top Down have thought the assembly process through.



6 To keep from scratching the axle nut, we wrapped it with masking tape.



7 After the new axle nut was tightened, to 90 ft.-lbs., we installed the factory snap ring.



8 The Roto-Plate adaptor is secured with four Allen screws.



9 The Rotor-Plate mount is then attached with the included Allen bolt, which was torqued to 56 ft.-lbs.



10 The center shaft of the Roto-Plate's hub is hollow for the license frame's wiring to run through. We spliced the license light's wires to the Slim's taillight wires.



11 The Roto-Plate with the license in its horizontal orientation.